

We Claim:

1. An apparatus for collecting optically sorted particles comprising:
 a first surface adapted to support a plurality of particles,
 an optical illumination system for subjecting the particles to a moving gradient
 5 force to cause the separation of the particles from the first surface, and
 a second adhesive surface for adhering the separated particles to the second
 surface.
2. The apparatus of claim 1 wherein the adhesive surface has a specific
 10 affinity.
3. The apparatus of claim 1 wherein the adhesive surface has a non-specific
 affinity.
4. The apparatus of claim 1 wherein the first surface is planar.
5. The apparatus of claim 1 wherein the first surface is parallel to the second
 surface.
6. The apparatus of claim 1 wherein the first surface comprises a glass slide.
7. The apparatus of claim 1 wherein the first and second surfaces define a
 volume therebetween.
8. The apparatus of claim 7 wherein the volume includes a fluid.
9. The apparatus of claim 8 wherein the fluid has an index of refraction which
 is between the indices of refraction of the particles.

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